BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

SECTION- IX

VOLUME-II

Bill of Quantities (BOQ)

PART-I SUPPLY PORTION				
SL No	**Particulars**	**Unit**	**Total Qty**	**Material code**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**30**	200005
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**15**	200006
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**53**	CDS materials for General works
4	Supply & Providing of 45KN Composite polymer insulators.	No	**102**	283320
5	Supply & Providing of 11kV Composite Polymer pins insulators.(24mm dia FRP rod)	No	**129**	283008
6	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**42**	CDS materials for General works
7	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**8.4**	284108
8	Supply & Providing of Spiral Earth Electrode	No	**70**	281683
9	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**2**	CDS 46
10	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**6**	304212
11	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**2**	280149
12	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**41**	280013
13	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**5**	302011
14	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**2**	278916
15	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**19**	613050
16	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**38**	278911
17	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**4**	CDS materials for General works
18	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer	No	**4**	321438

	BEE-4star rated			
19	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**12**	281674+600 095+607054, CDS 60
20	Supply & providing of GI wire 8SWG	kg	**20**	281008
21	Supply & providing of Guy wire 7/10SWG	kg	**40**	281110
22	Supply & providing of LT Protection kit	No	**4**	301107
23	Supply & providing of LT wiring (from 63 KVA DTC to LT line)			
	i) Al Lead Wire - 95 Sqmm	Mtr	**100**	289031
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**16**	288531
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**16**	285508, CDS 60
	iv) Spacer for DTC Wiring	No	**32**	284503
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**8**	280800+280 511, CDS 60
24	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**4**	CDS 39
25	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**4**	302122
26	supply & providing Transparent Alkathine tube 19mm dia, 2mm thick in coils of 30 mtrs	Coil	**4**	821900
27	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**2.1**	CDS 37
28	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No's	**25**	200004
29	Three Phase Distribution box for 6 Connections	No's	**26**	CDS 37
30	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**130**	CDS 37
31	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Street Light Connections	No's	**26**	CDS 37
32	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**26**	CDS 37
33	Pole clamp for HT/LT AB cable	Sets	**26**	CDS 37
34	Eye Hook (Flat type) for fixing Clamps	Sets	**26**	CDS 37
35	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**22**	CDS 37
36	Universal Hook, Bolts & nuts	No's	**26**	CDS 37
37	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**20**	CDS 37
38	End cap for 50/70 Sqmm	No's	**20**	CDS 37
39	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Sets	**20**	CDS 37

40	PVC Insulated wire 16/25 Sqmm	Mtrs	**75**	CDS 37

PART-II ERECTION PORTION			
SL No	**Particulars**	**Unit**	**Total Qty**
1	Supply & Erection of PSCC pole 9 mtr long 300 kg W/L (for dead end and anchor points only)	No	**30**
2	Supply & Erection of PSCC pole 9 mtr long 200kg W/L (for intermediate only)	No	**15**
3	Supply & Erection of 11 kV, Horizontal Cross Arm with clamps, HTST supports, bolts, nuts and washers for PSCC Pole - 9 Mtr Long, 200 Kg WL-GI	set	**53**
4	Supply & Providing of Guy Set Complete with No. 15 Strain Insulator & Concreting materials-GI	set	**42**
5	Supply & stringing of ACSR Rabbit conductor with 1.5% sag as per BESCOM Specification	Km	**8.4**
6	Supply & Providing of Spiral Earth Electrode	No	**70**
7	Supply & erection of DP set (2 pole structure kit- GI) with 9 mtr PSCC, 300 KG W/L including 5Kg , 8SWG GI wire for structure grounding.	set	**2**
8	Supply & providing of 11kV class 200 AMPS Single Break GOS	Set	**6**
9	Supply & providing of H - Frame Set for 11kV, 200Amps Single Break GOS Mounting - GI	Set	**2**
10	Supply & providing of 11kV Spl 3pin X-arms, pole clamps, bolts for PSCC pole- GI	No	**41**
11	Supply & providing of 11kV Class DOLO Cutouts	Set (3 Nos)	**5**
12	Supply & providing of Guardings Materials for road crossing(span=40 mtr)	Span	**2**
13	Supply & providing of caution/Danger board as per drawing no.BESCOM/GM/CP/40/24.10.17	No	**19**
14	Supply & Fixing of Anticlimbing Device GI Barbed Wire (12 mtrs/1kg)Lumpsum	Kg	**38**
15	Supply & Erection of Double Pole Mounted Transformer kit for 63 kVA with 2 Nos of 9 mtr long PSCC Pole, 300KG W/L- GI	Set	**4**
16	Supply & Erection of 11kV/433V, 63 kVA,3phase 50cys Distribution Transformer BEE-4star rated	No	**4**

17	Supply & providing of Earthing materials pipe type for grounding as per Drawing No BESCOM/GM/CP/15&34 dt:24.10.17(Single Electrode with accessories)	No	**12**
18	Supply & providing of LT Protection kit	No	**4**
19	Supply & providing of LT wiring (from 63 KVA DTC to LT line)		
	i) Al Lead Wire - 95 Sqmm	Mtr	**100**
	ii) Heavy Duty Long Barrel Copper Lug - 95 Sqmm	No	**16**
	iii) PG Clamp - Rabbit to 95 Sqmm	No	**16**
	iv) Spacer for DTC Wiring	No	**32**
	v) Fish Plate with necessary Clamps, bolts & nuts etc complete (Galvanised)	No	**8**
20	vi) LT Metering box with CTs and necessary wiring for housing ETV Meter (Please see CDS - 39)	No	**4**
21	Supply & providing of H.G.Fuse unit,11kV solid core Type(Set=3no)	Set	**4**
22	1.1kV Class 3 Phase Aerial Bunched Cable of size 3x95+1x16+1x70 Sq. mm	**KMs**	**2.1**
23	PSCC Pole - 8 Mtr Long, 200 Kg WL (for Intermediate Pole)	No's	**25**
24	Three Phase Distribution box for 6 Connections	No's	**26**
25	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Service Connections	No's	**130**
26	Piercing connector suitable for 16 Sq. mm - 95 Sq. mm AB Cable - Street Light Connections	No's	**26**
27	Suspension Clamp Assembly 16 to 70 mm (Excluding pole clamp & Eye Hook)	Sets	**26**
28	Pole clamp for HT/LT AB cable	Sets	**26**
29	Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sq mm (excluding pole clamps and Eye hook)	Sets	**22**
30	Universal Hook, Bolts & nuts	No's	**26**
31	Pre-Insulated lugs-CPTAU for 95 Sqmm	No's	**20**
32	End cap for 50/70 Sqmm	No's	**20**
33	Supply & Providing of Guy Set Complete with No 8. Strain Insulator & Concreting materials-GI	Sets	**20**
34	Guy Concreting with Mud, Boulders & Sand	Sets	**20**